

IRRIGATION MATERIALS LIST		
KEY	ITEM	QTY.
—	PVC laterals shall be Class 200 PVC (sized as shown on plans)	as required
—	MAIN shall be Class 200 PVC	as required
—	Bubbler Zone Piping	as required
—	PVC sleeves shall be Class 200 PVC (sized double the width of the pipe within, installed wherever pipe runs under hardscape)	as required
—	Flexible PVC or Polypipe (for swing joints)	as required
WM	Water Meter and Backflow Prevention Assembly (See Civil Plans)	1
EC	Electric Controller RAINBIRD Multi-Station Controller	1
Δ	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
Q	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	#
—	Irrigation Control Wire	as required
—	RAINBIRD Spray Heads 1800 @ 30 PSI Series w/MPR nozzles	as required
—	12" pop-up in grass areas	
—	12" pop-up on risers in shrub beds	
—	15-F (3.7 gpm)	
—	15-TQ (2.78 gpm)	
—	15-H (1.85 gpm)	
—	15-T (1.23 gpm)	
—	15-Q (.92 gpm)	
—	15-sst (1.21 gpm)	
—	15-cst (1.21 gpm)	
—	15-est (.61 gpm)	
—	9-sst (1.73 gpm)	
—	10-F (1.58 gpm)	
—	10-TQ (1.18 gpm)	
—	10-H (.79 gpm)	
—	10-T (.53 gpm)	
—	10-Q (.39 gpm)	
—	5-F (.41 gpm)	
—	5-TQ (.33 gpm)	
—	5-H (.20 gpm)	
—	5-T (.13 gpm)	
—	5-Q (.10 gpm)	
—	RAINBIRD 1300A-F Adjustable Flood Bubbler 1300A-F (1.5 gpm)	as required

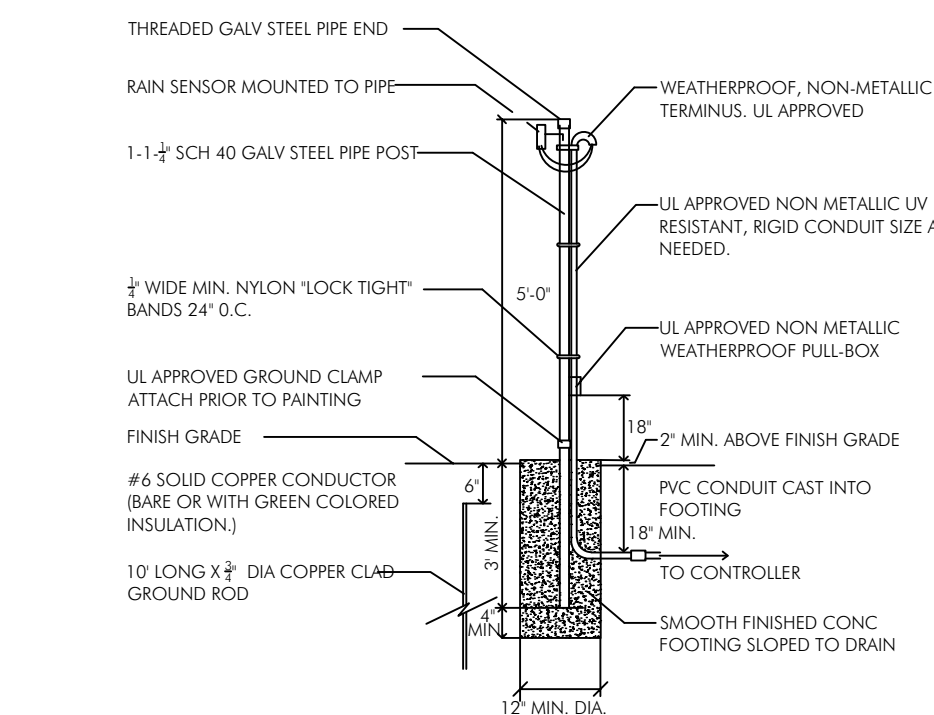
**LATERAL PIPE SIZING**  
The Contractor is responsible to properly size all laterals. All laterals shall be sized according to the following schedule. Total gallonage per pipe section shall be calculated by adding the GPM per head for every head downstream of the pipe.

**CLASS 200 PVC PIPE SIZING CHART**

SIZE	GPM
1/2"	0-8 GPM
1"	8-14 GPM
1 1/2"	14-24 GPM
2"	24-32 GPM
2 1/2"	32-50 GPM
3"	50-75 GPM
4"	60-110 GPM
6"	110-190 GPM

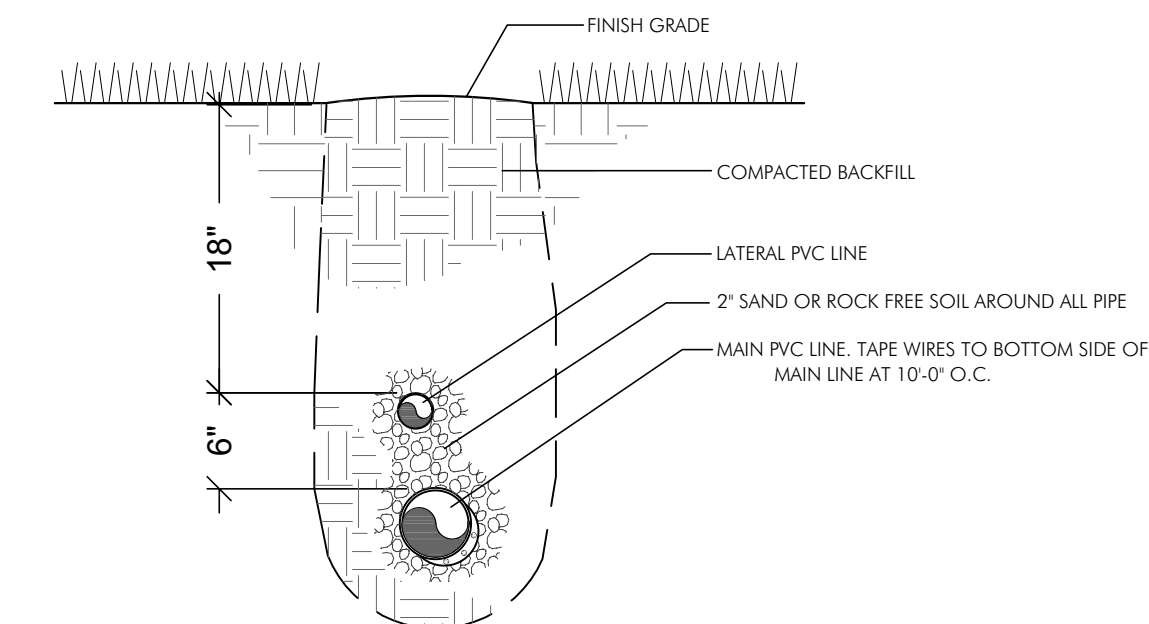
NOTES:  
- IRRIGATION VALVES, MAINS AND LATERALS DRAWN SCHEMATICALLY. LOCATE IN LANDSCAPE AREAS WHEREVER POSSIBLE.  
- ALL PIPING AND WIRING UNDER HARDSCAPE IS TO BE INSTALLED IN SCH. 80 PVC SLEEVES 2X THE SIZE OF THE PIPE WITHIN.  
- NO IRRIGATION PIPING SHALL BE DONE WITHIN ANY EXISTING TREE DRIPLINE AREAS.  
- IRRIGATION SYSTEM SHALL BE RUST FREE AND PROVIDE 100% COVERAGE WITH 50% OVERLAP.

NOTE:  
ALL WIRE CONNECTIONS SHALL BE APPROVED WATERTIGHT CONNECTIONS. FINISH ENTIRE ASSEMBLY, EXCEPT FOR EQUIPMENT, WITH FLAT BLACK ACRYLIC ENAMEL PAINT. PRIME METALLIC SURFACES WITH ZINC CHROMATE PRIOR TO FINISHING.



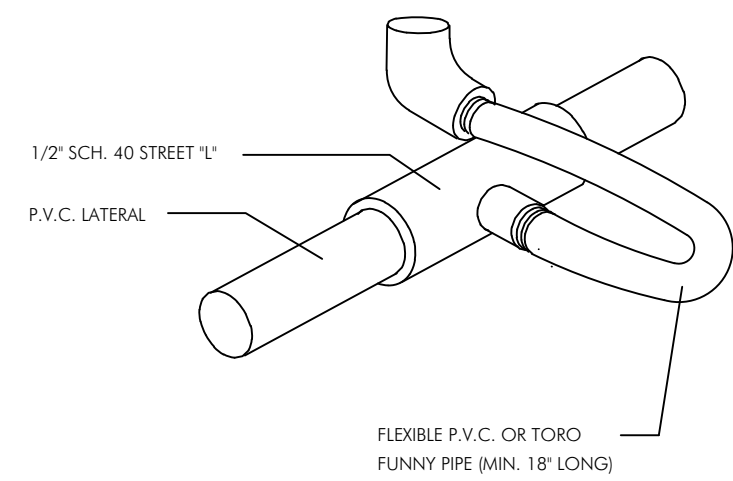
#### RAIN SENSOR DETAIL

N.T.S.



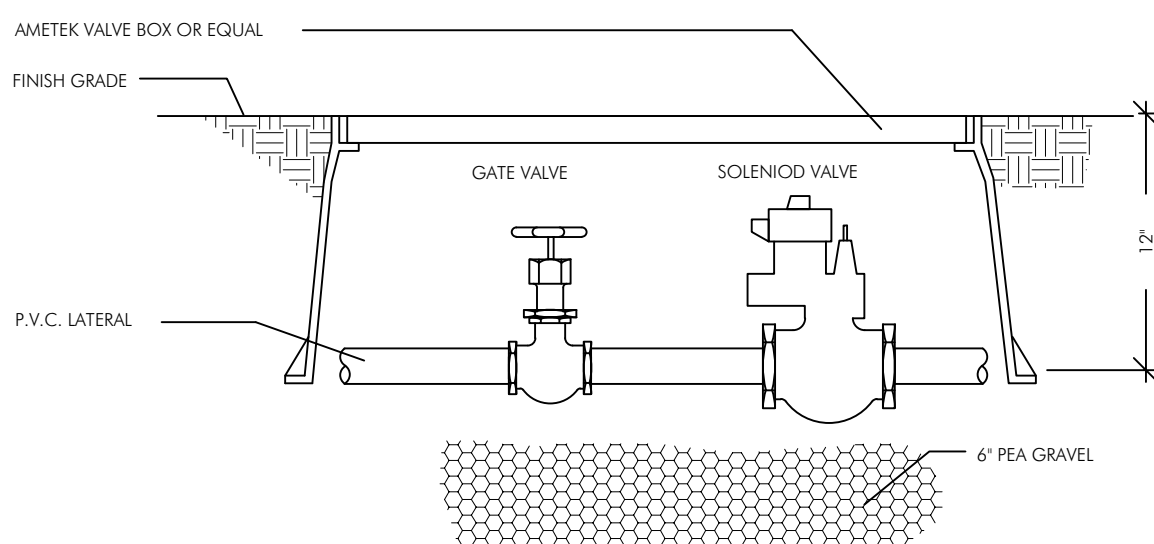
#### TRENCH DETAIL

N.T.S.



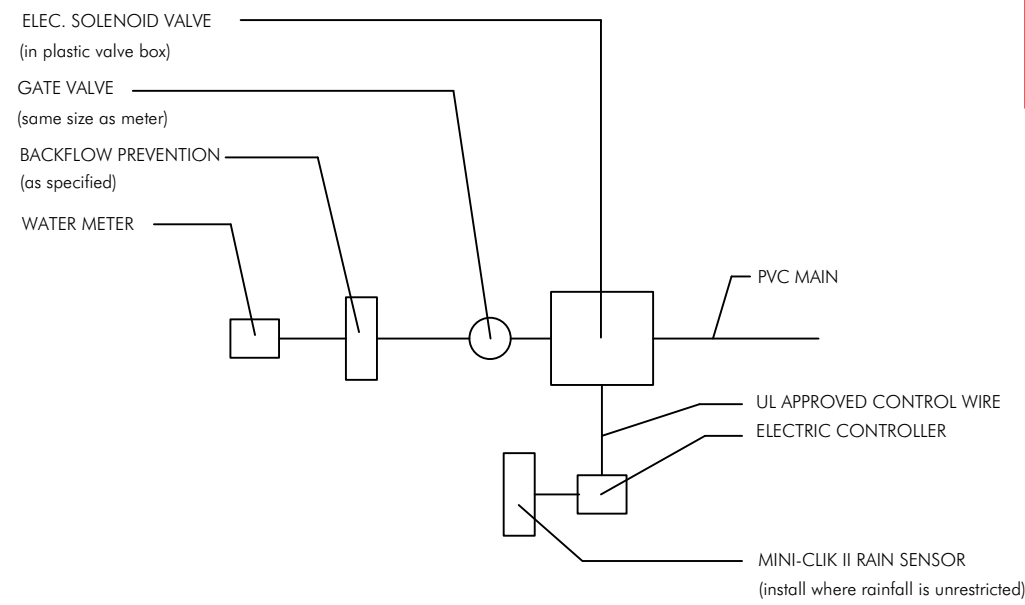
#### FLEXIBLE SWING JOINT DETAIL

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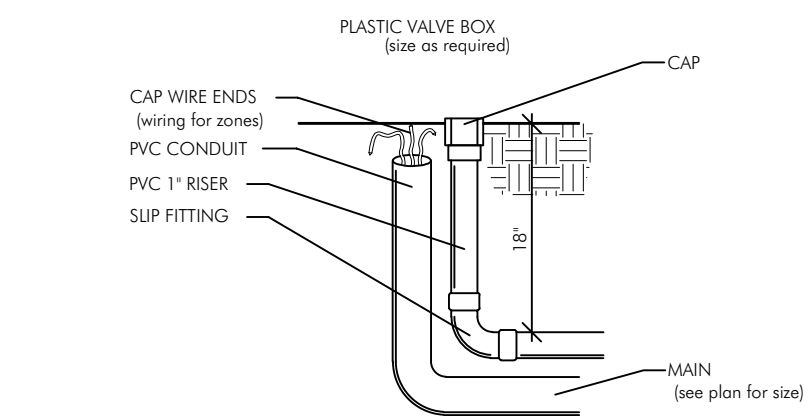
#### TYPICAL SOLENOID VALVE ASSEMBLY

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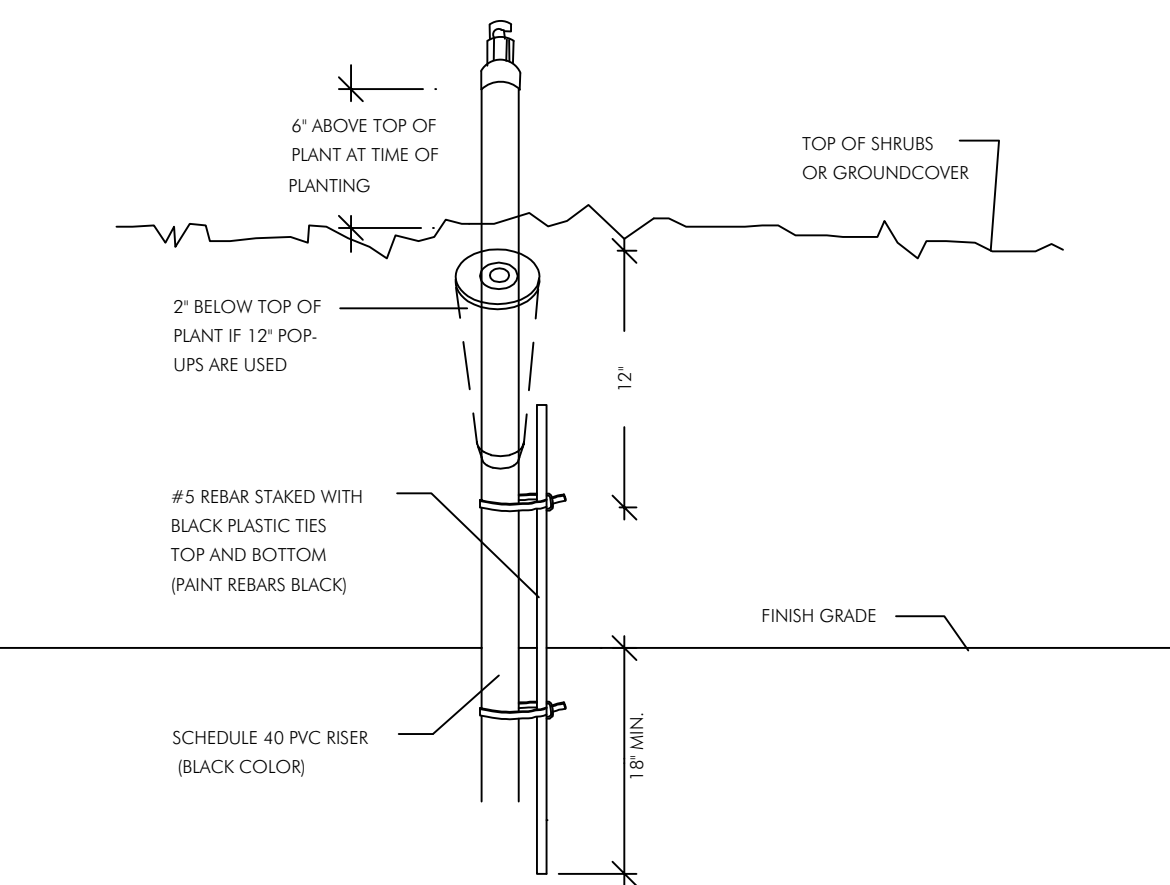
#### CONNECTION TO METER DETAIL

N.T.S.



#### DETAIL OF STUB-OUT FOR FUTURE USE

N.T.S.



#### SPRINKLER ON RISER DETAIL FOR SHRUB AREAS

N.T.S.



**DRC**  
PZ23-12000048  
08/21/2024

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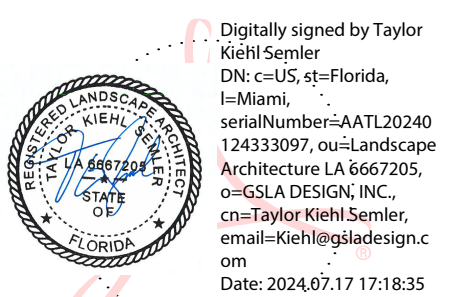
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PATAGONIA  
NW 7TH AVENUE & NW 3RD STREET  
POMPANO BEACH, FL



REV.	05.03.2024	ARBORIST UPDATE
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TITLE  
EAST  
IRRIGATION PLAN



Ken Gardner Kiehl Semler	FL LA #1569 FL LA #6667205
DATE	4.17.2024
SCALE	as noted
SHEET	LA.401